

PPL13 PROJECT FACT SHEET

Project Name and Number: Shell Island Barrier Island Restoration

Coast 2050 Strategy:

Regional: #21, restore/maintain barrier headlands, islands and shorelines
Coastwide: Dedicated dredging to create, restore, or protect wetlands, and maintenance of gulf, bay and lake shoreline integrity.

Project Location: Region 2, Barataria Basin, Plaquemines Parish, west of Empire Waterway

Problem: Historic and future loss is high (erosion rate of 115.4 ft/yr.). The historic island protected interior bays and marsh when it was present.

Goals: Provide shoreline protection for the western portion of Shell Island, thereby adding protection to the interior marsh and beach areas.

Proposed Solution: Reestablish some barrier protection for portions of Shell Island.

Preliminary Project Benefits: Restore some shoreline protection for the eastern portion of Shell Island, just west of the Empire jetty.

Compatibility with Coast 2050 Criteria:

Wetland Elevation/Sustainability: The project sustains a low (<500 acres) amount of emergent wetlands over the project life.

Ecosystem Influence Area: The project beneficially influences a small (<5,000 acres) area.

Structural Framework: The project maintains or restores a structural component of the coastal ecosystem that benefits greater than 25% of the ecosystem area for greater than 20 years.

Infrastructure: The project has a moderate net positive impact on critical infrastructure.

Organism and Material Linkages: The project allows a natural level of organism and material exchange consistent with the sustainability of the ecosystem.

Coast 2050 Habitat Objectives: The project maintains greater than 66% of the project area towards the habitat objective.

Project Synergy: The project provides no synergistic effect with other approved restoration projects.

Preliminary Construction Costs: \$21M

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Project Map